

Abstract

Bioreactor

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What is disclosed is a bioreactor comprising a strainer basket, inside which a filler body consisting of a porous carrier having a high specific surface area is received. Into this strainer basket a mixture of
10 microorganisms is introduced which preferably includes a proportion of photosynthetically active microorganisms and a proportion of light-emitting microorganisms, so that a photodynamic decomposition of organic substances takes place. In accordance with the invention, the
15 mixture of microorganisms contains a proportion of photocatalytically active nanoparticles.